

5. Oil Pump

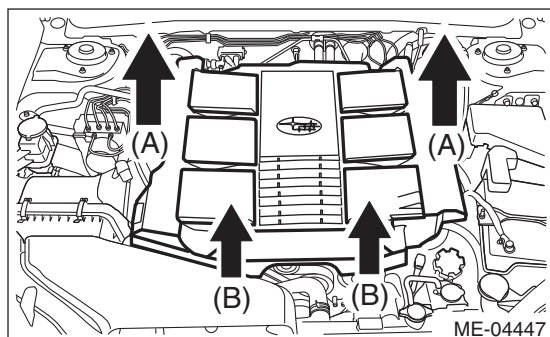
A: REMOVAL

1) Remove the collector cover.

NOTE:

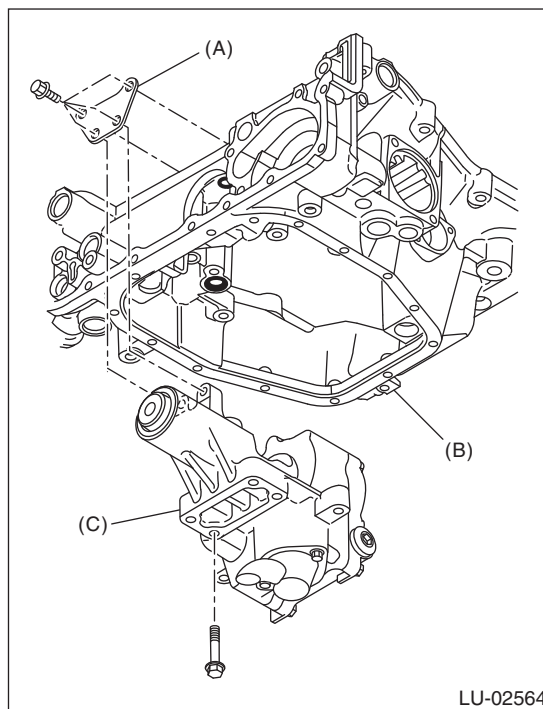
Follow the steps below when removing the collector cover.

- (1) Lift up (A) in two positions at the rear.
- (2) Moving (B) in two positions at the front toward the vehicle, lift them up.



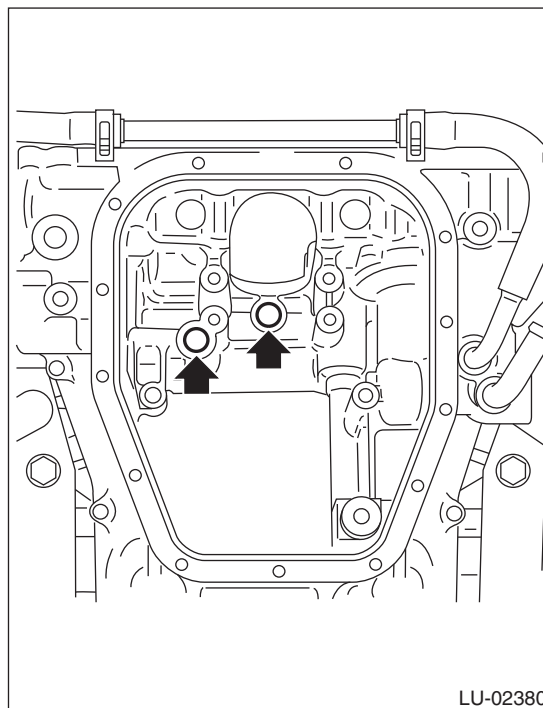
- 2) Disconnect the ground cable from battery.
- 3) Lift up the vehicle.
- 4) Remove the under cover. <Ref. to EI-35, REMOVAL, Front Under Cover.>
- 5) Drain the engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>
- 6) Drain engine coolant. <Ref. to CO(H6DO)-12, DRAINING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>
- 7) Lower the vehicle.
- 8) Remove the radiator. <Ref. to CO(H6DO)-17, REMOVAL, Radiator.>
- 9) Remove the V-belts. <Ref. to ME(H6DO)-48, REMOVAL, V-belt.>
- 10) Remove the crank pulley. <Ref. to ME(H6DO)-49, REMOVAL, Crank Pulley.>
- 11) Remove the chain cover. <Ref. to ME(H6DO)-50, REMOVAL, Chain Cover.>
- 12) Remove the timing chain. <Ref. to ME(H6DO)-59, REMOVAL, Timing Chain Assembly.>
- 13) Remove the oil pan lower. <Ref. to LU(H6DO)-11, REMOVAL, Oil Pan.>

14) Remove the stiffener and the oil pump.



- (A) Stiffener
- (B) Oil pan upper
- (C) Oil pump

- 15) Remove the strainer from the oil pump.
- 16) Remove the O-ring from oil pan upper.

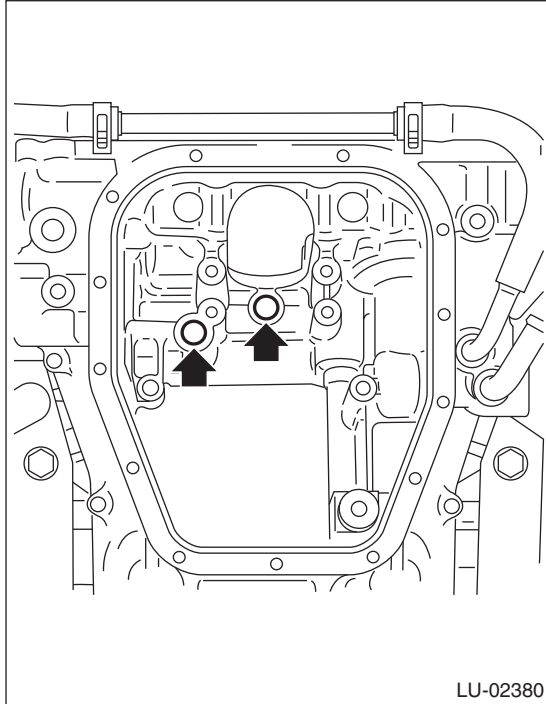


B: INSTALLATION

1) Apply engine oil to the O-ring and attach it to the oil pan upper.

NOTE:

Use new O-rings.



2) Apply liquid gasket to the mating surfaces of strainer.

Liquid gasket:

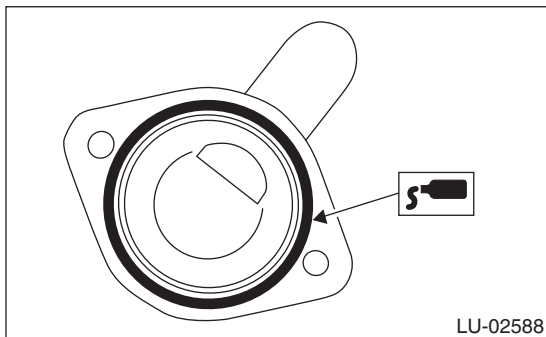
THREE BOND 1217G (Part No. K0877Y0100)
or equivalent

Liquid gasket applying diameter:

2.0 ± 1.0 mm (0.079 ± 0.039 in)

NOTE:

- Install within 5 min. after applying liquid gasket.
- After installing the strainer, remove any liquid gasket that is squeezed out.



3) Install the strainer to the oil pump.

Tightening torque:

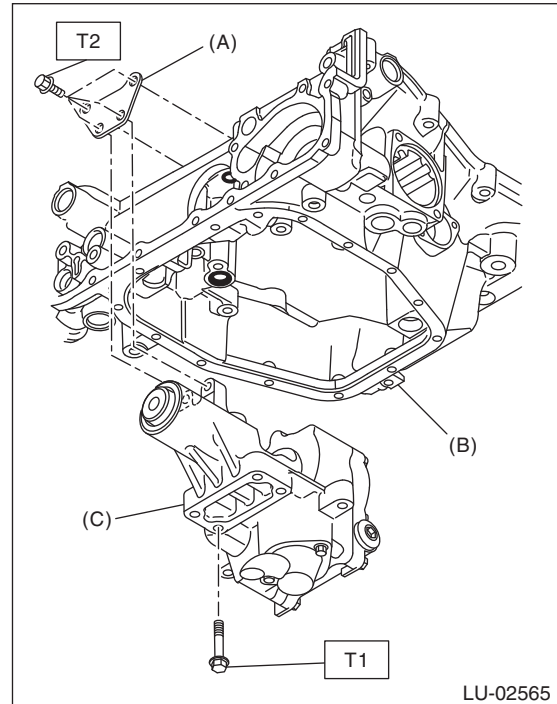
6.4 N·m (0.7 kgf·m, 4.7 ft·lb)

4) Install the stiffener and the oil pump.

Tightening torque:

T1: 13 N·m (1.3 kgf·m, 9.6 ft·lb)

T2: 24 N·m (2.4 kgf·m, 17.7 ft·lb)



(A) Stiffener

(B) Oil pan upper

(C) Oil pump

5) Install the oil pan lower. <Ref. to LU(H6DO)-11, INSTALLATION, Oil Pan.>

6) Install the timing chain. <Ref. to ME(H6DO)-65, INSTALLATION, Timing Chain Assembly.>

7) Install the chain cover. <Ref. to ME(H6DO)-53, INSTALLATION, Chain Cover.>

8) Install the crank pulley. <Ref. to ME(H6DO)-49, INSTALLATION, Crank Pulley.>

9) Install the V-belts. <Ref. to ME(H6DO)-48, INSTALLATION, V-belt.>

10) Install the radiator. <Ref. to CO(H6DO)-18, INSTALLATION, Radiator.>

11) Lift up the vehicle.

12) Install the under cover. <Ref. to EI-35, INSTALLATION, Front Under Cover.>

13) Lower the vehicle.

14) Fill the ATF. <Ref. to CO(H6DO)-12, FILLING OF ENGINE COOLANT, REPLACEMENT, Engine Coolant.>

15) Refill the engine oil. <Ref. to LU(H6DO)-9, REPLACEMENT, Engine Oil.>

16) Check the engine oil level. <Ref. to LU(H6DO)-9, INSPECTION, Engine Oil.>

C: INSPECTION

- Visually check the oil pump for breakage.
- Visually check the strainer portion for clogging.